



# General Purpose (0.5Hz to 6kHz band) Accelerometer

# Model CA-YD-107

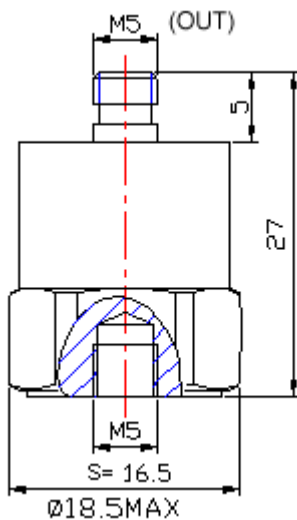
### FEATURES

- General purpose vibration and shock measurement
- No supply required
- Charge output
- Plane shear



### SUPPLIED WITH

- Calibration chart
- M5 to M5 stud
- M5 to M8 stud
- Protective cap
- STYV-1 cable, fitted with L5 connectors (2m)



### PERFORMANCE

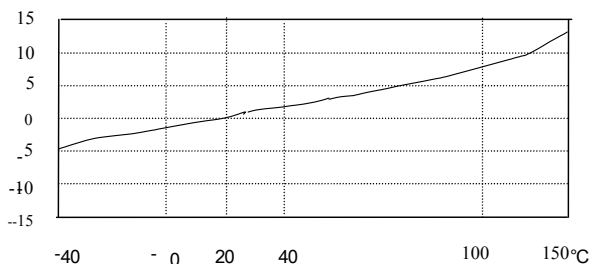
Sensitivity (at 20±5°C)	5pC/ms <sup>-2</sup>
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	0.5Hz to 6kHz
Mounted resonance	25kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 <sup>9</sup> Ω
Capacitance	1200pF

### ENVIRONMENTAL CHARACTERISTICS

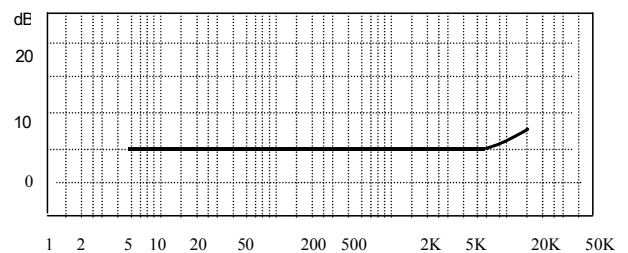
Temperature range	-40 to +150 °C
Shock limit	8000ms <sup>-2</sup>
Thermal transient sensitivity	4×10 <sup>-2</sup> ms <sup>-2</sup> /°C (0.3Hz)
Magnetic sensitivity	20ms <sup>-2</sup> /T
Base strain sensitivity	2×10 <sup>-3</sup> ms <sup>-2</sup> /με

### PHYSICAL CHARACTERISTICS

Weight	28g
Case material	stainless steel
Mounting	M5 stud
Sensing element	PZT-5
Sensor design	plane shear
Electrical connection	top L5 connector



Typical Temperature Response



Typical Frequency Response (Hz)